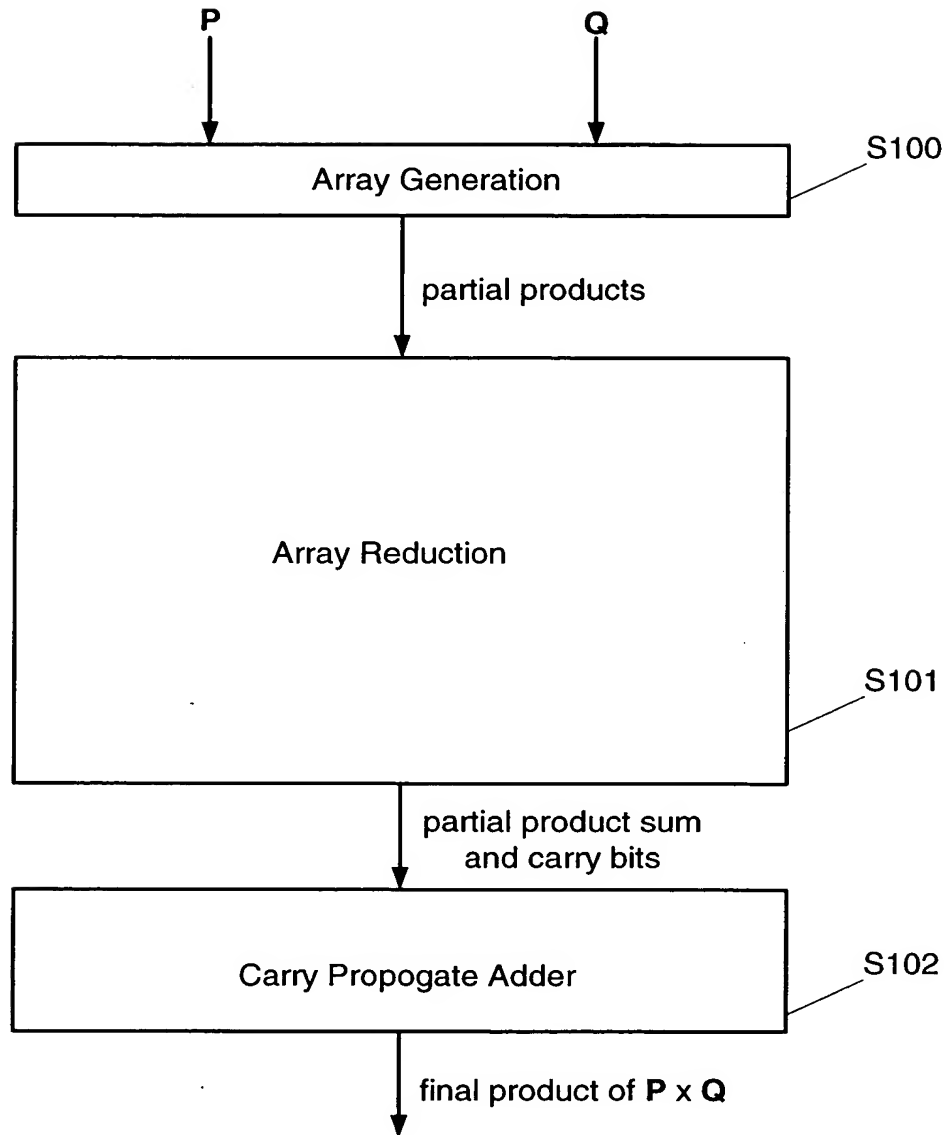
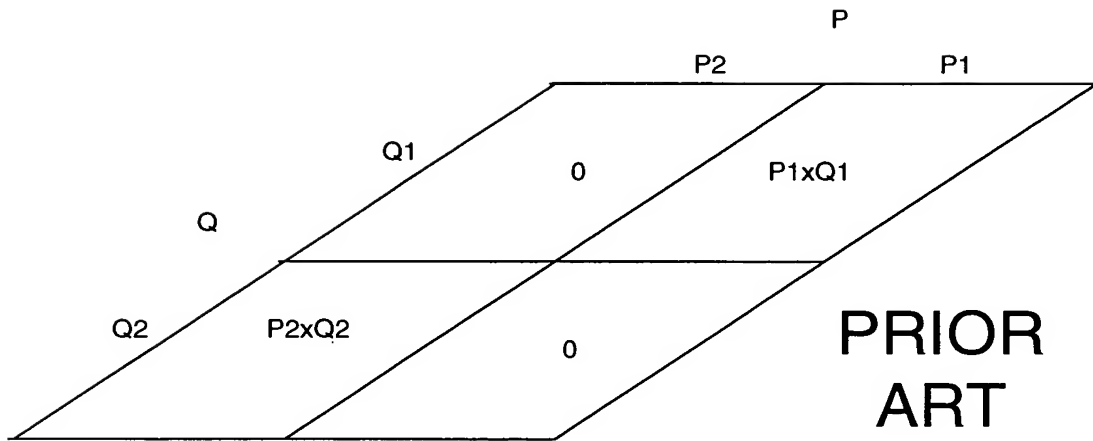
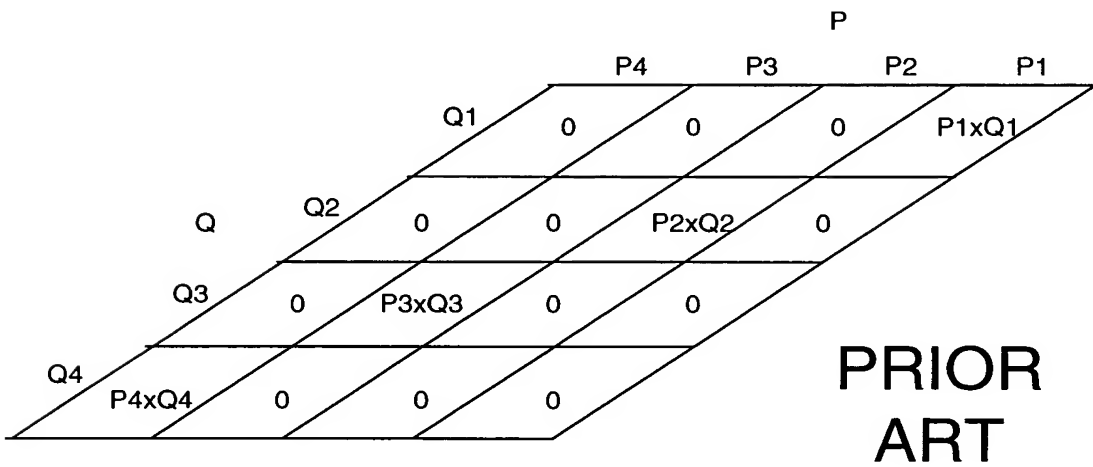


## PRIOR ART

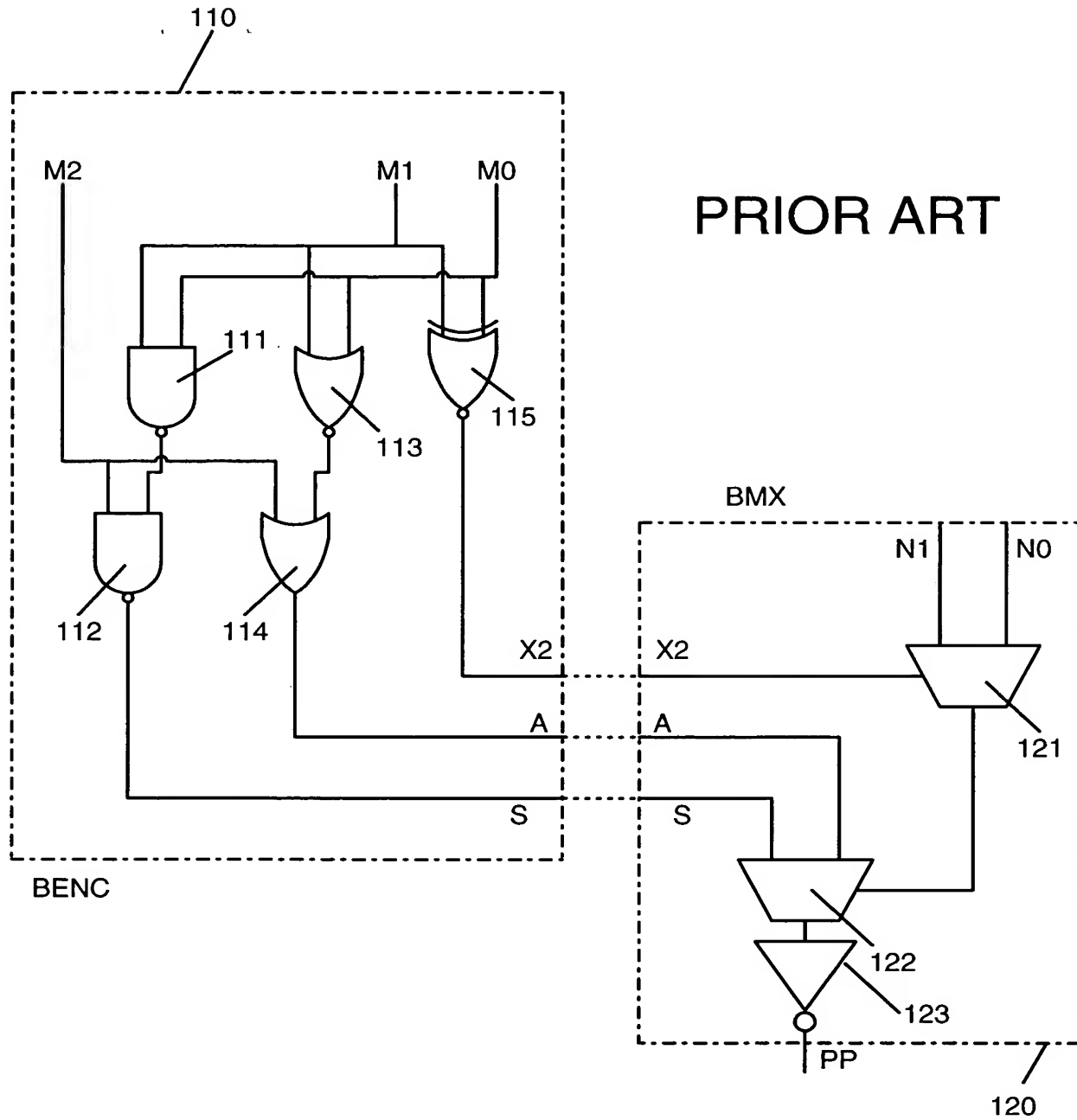
**Figure 1**



**Figure 2**



**Figure 3**

**Figure 4**

## PRIOR ART

M2	M1	M0	Action	A	S	X2	BMX output
0	0	0	multiply by 0	1	1	1	0
0	0	1	multiply by 1	0	1	0	N1
0	1	0	multiply by 1	0	1	0	N1
0	1	1	multiply by 2	0	1	1	N0
1	0	0	multiply by -2	1	0	1	¬N0
1	0	1	multiply by -1	1	0	0	¬N1
1	1	0	multiply by -1	1	0	0	¬N1
1	1	1	multiply by 0	1	1	1	0

### Figure 5



## PRIOR ART

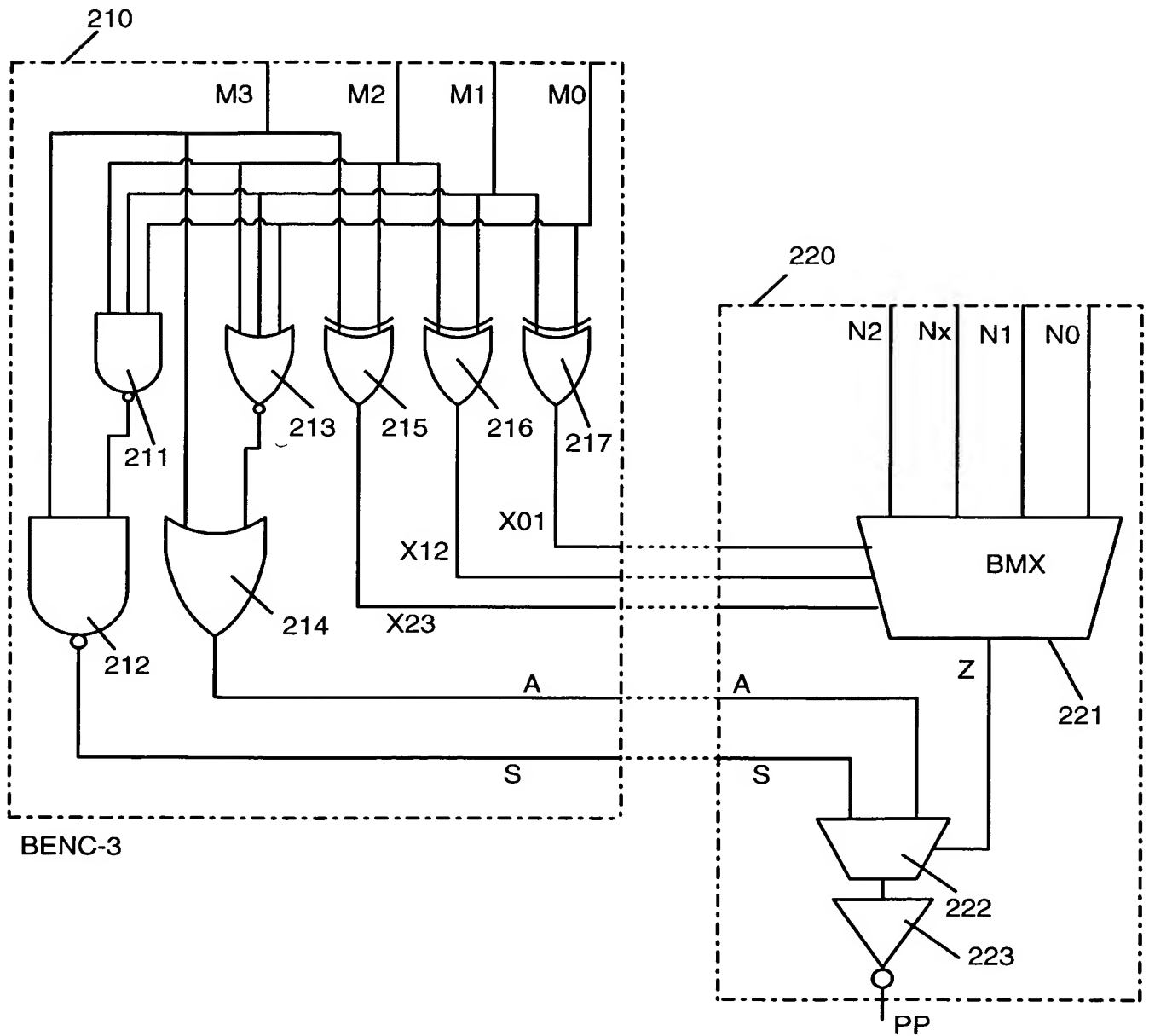


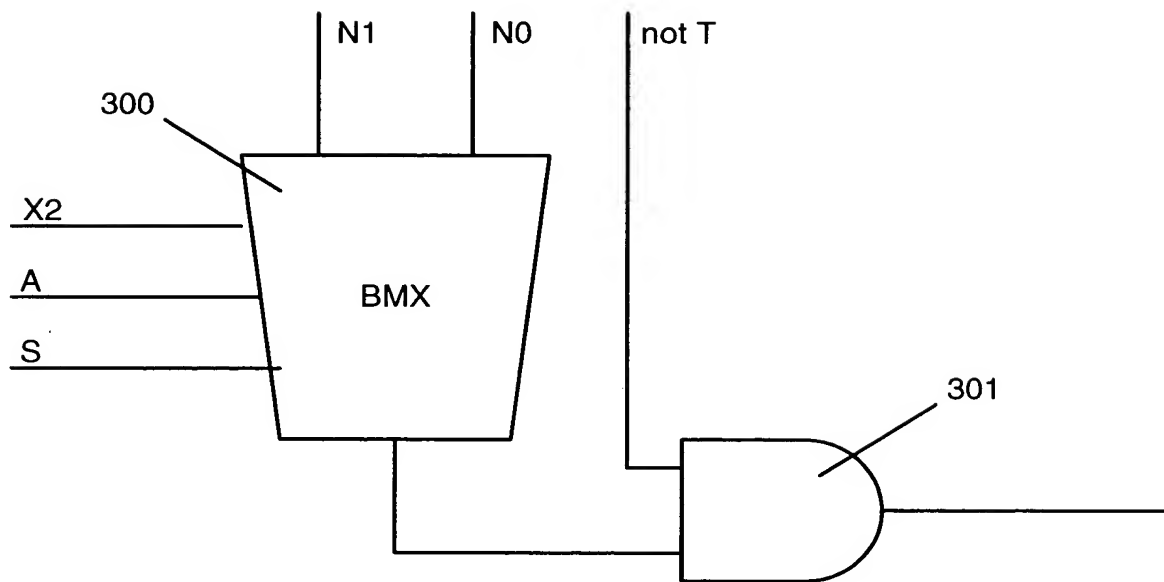
Figure 7

# PRIOR ART

M3	M2	M1	M0	Action	BMX output	A	S	X01	X12	X23
0	0	0	0	multiply by 0	0	1	1	0	0	0
0	0	0	1	multiply by 1	N2	0	1	1	0	0
0	0	1	0	multiply by 1	N2	0	1	1	1	0
0	0	1	1	multiply by 2	N1	0	1	0	1	0
0	1	0	0	multiply by 2	N1	0	1	0	1	1
0	1	0	1	multiply by 3	Nx	0	1	1	1	1
0	1	1	0	multiply by 3	Nx	0	1	1	0	1
0	1	1	1	multiply by 4	N0	0	1	0	0	1
1	0	0	0	multiply by -4	$\neg$ N0	1	0	0	0	1
1	0	0	1	multiply by -3	$\neg$ Nx	1	0	1	0	1
1	0	1	0	multiply by -3	$\neg$ Nx	1	0	1	1	1
1	0	1	1	multiply by -2	$\neg$ N1	1	0	0	1	1
1	1	0	0	multiply by -2	$\neg$ N1	1	0	0	1	0
1	1	0	1	multiply by -1	$\neg$ N2	1	0	1	1	0
1	1	1	0	multiply by -1	$\neg$ N2	1	0	1	0	0
1	1	1	1	multiply by 0	0	1	1	0	0	0

## Figure 8

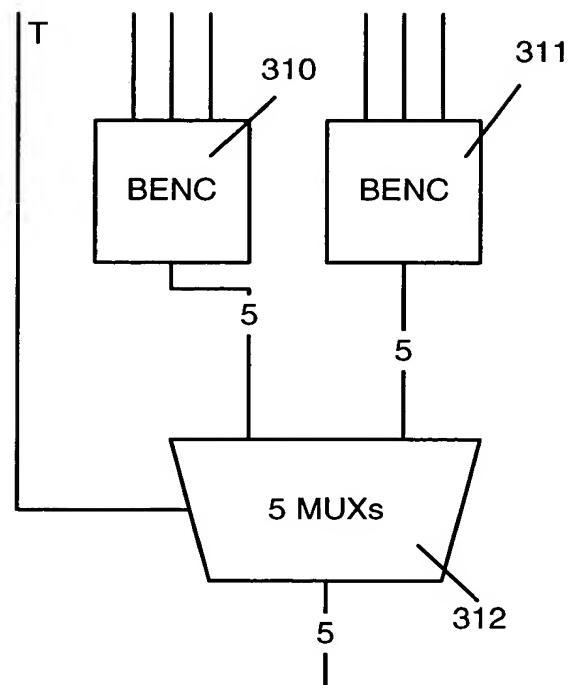
# PRIOR ART



**Figure 9a**

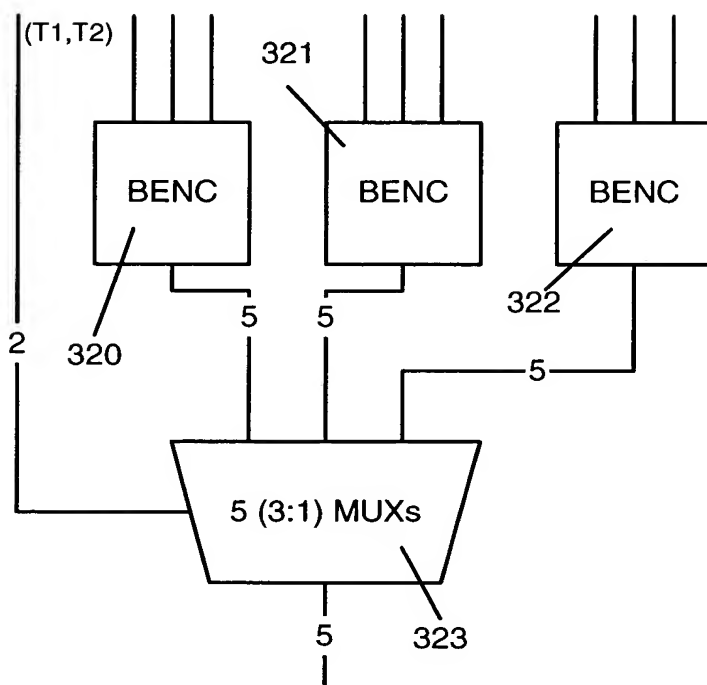


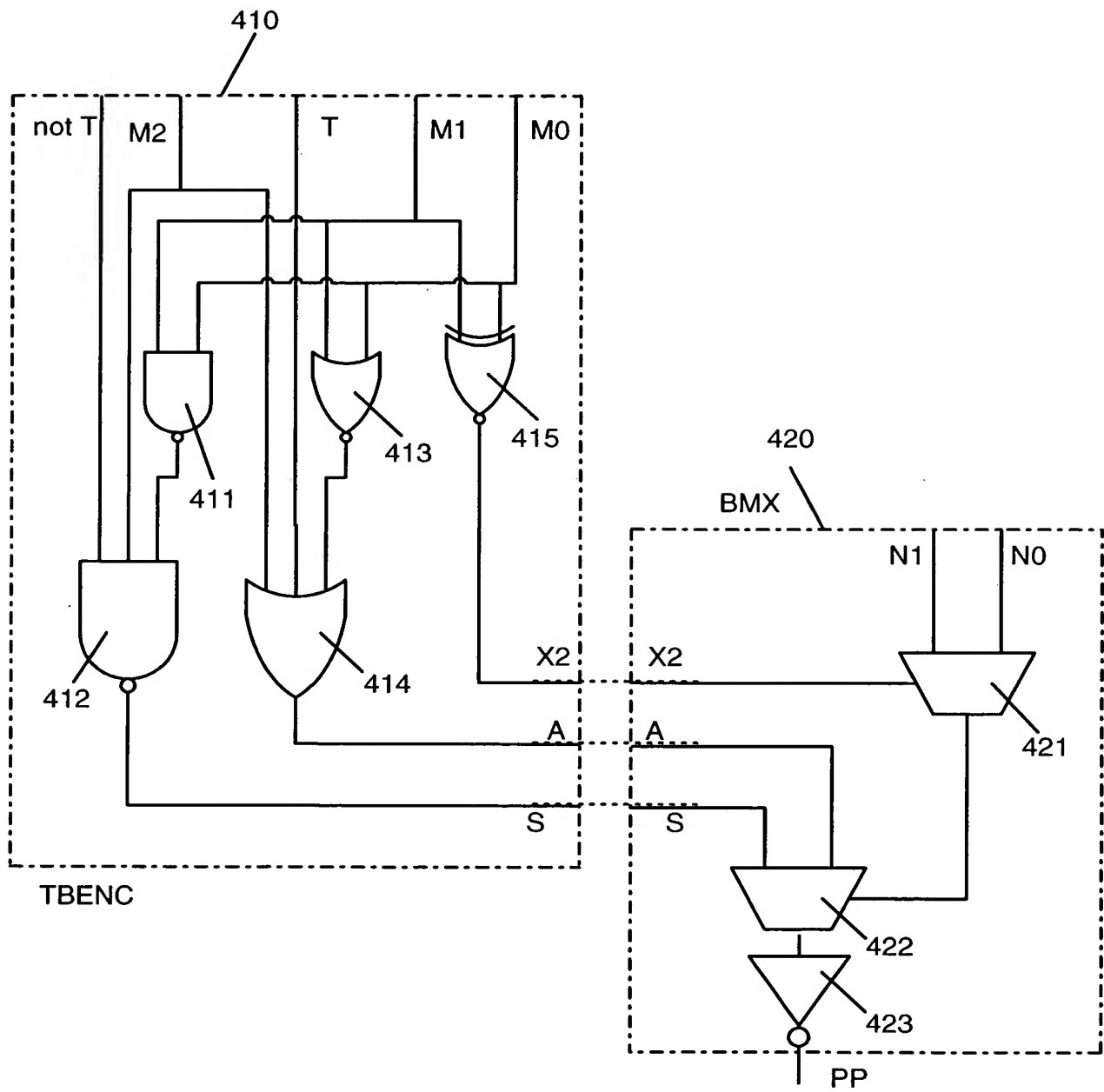
# PRIOR ART



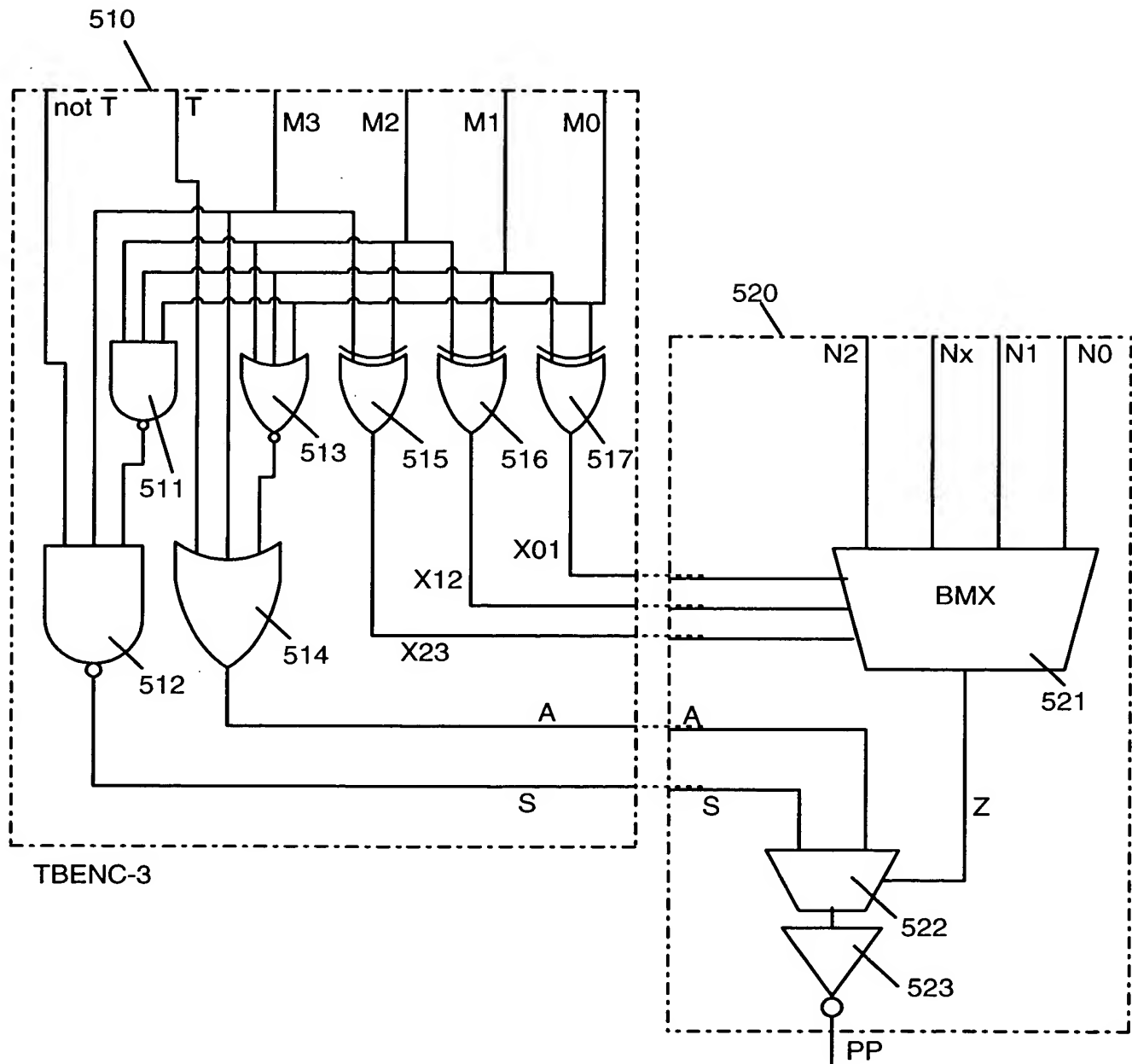
**Figure 9b**

## PRIOR ART

**Figure 9c**



**Figure 10**

**Figure 11**

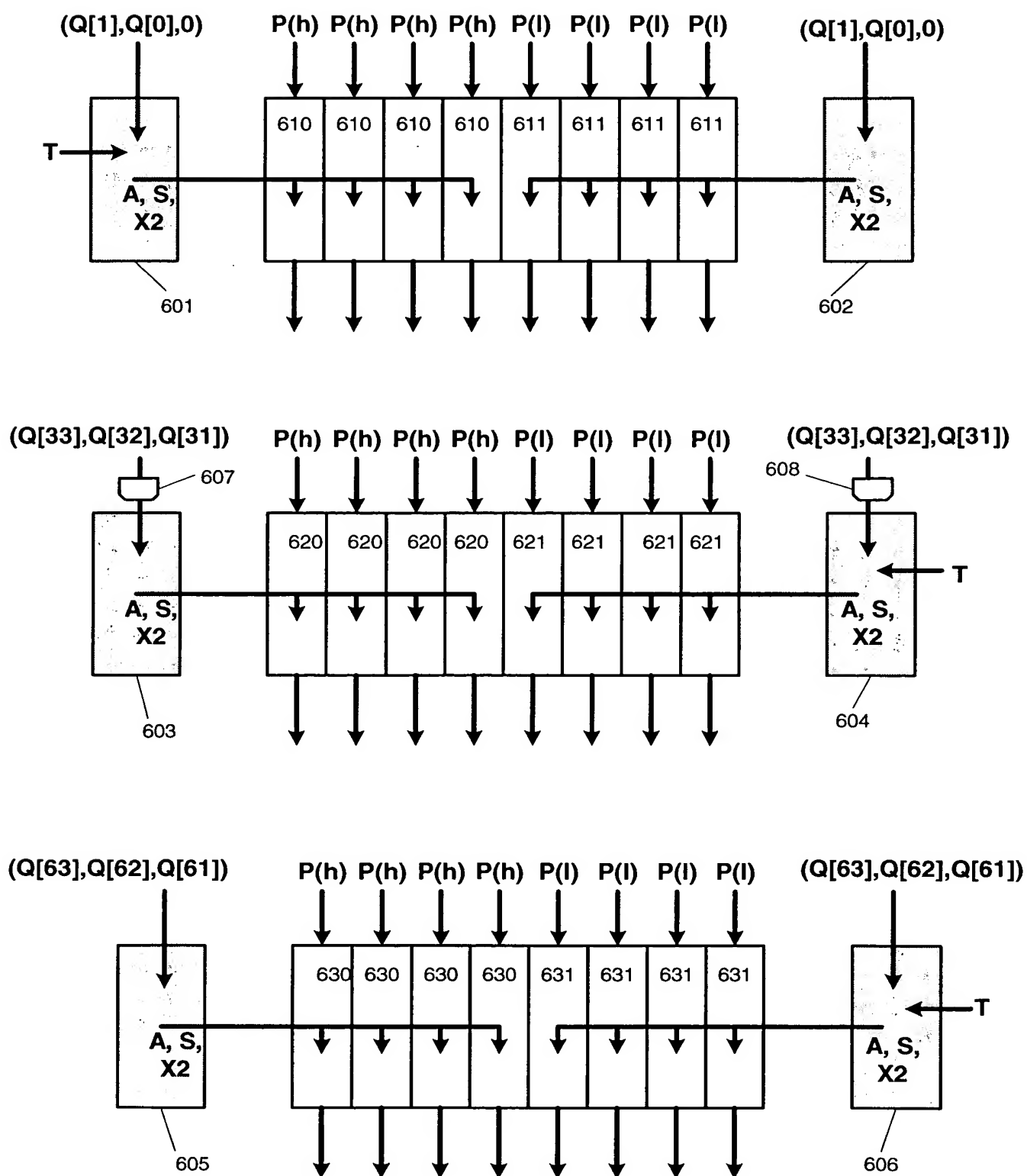


Figure 12